

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/14945

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ B29C65/20, B32B15/08//B29K105:22, B29L9:00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ B29C63/00-63/48, B29C65/00-65/82, B32B1/00-35/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1926-1996	Toroku Jitsuyo Shinan Koho	1994-2004
Kokai Jitsuyo Shinan Koho	1971-2004	Jitsuyo Shinan Toroku Koho	1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 5234516 A (TOYO KOHAN CO., LTD.), 10 August, 1993 (10.08.93), Column 6, line 38 to column 7, line 25; example 2 & CA 2071590 A & DE 4222464 A1 & FR 2692835 A1 & GB 2268441 A & IT 1259586 B	1-7 <u>8,9</u>
X A	JP 5-200961 A (TOYO KOHAN CO., LTD.), 10 August, 1993 (10.08.93), Par. Nos. [0015], [0017], [0027] (Family: none)	1-7 <u>8,9</u>

Further documents are listed in the continuation of Box C.

See patent family annex.

- * Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search
16 February, 2004 (16.02.04)

Date of mailing of the international search report
02 March, 2004 (02.03.04)

Name and mailing address of the ISA/
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INTERNATIONAL SEARCH REPORT

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PCT/JP03/14945

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 1994/021457 A1 (CARNAUDMETALBOX PLC.), 29 September, 1994 (29.09.94), & AU 9462161 A & BR 9406429 A & CN 1123536 A & DE 69400753 E & EP 690786 A1 & ES 2092900 T3 & JP 8-507983 A & TW 261581 A & US 5679200 A & ZA 9401648 A	<u>1-9</u>
A	EP 796721 A1 (TOYO KOHAN CO., LTD.), 24 September, 1997 (24.09.97), & AU 9641235 A & CN 1168651 A & DE 69523619 E & KR 98700167 A & US 6106658 A & WO 1996/017721 A1	<u>1-9</u>
A	JP 63-231926 A (Nippon Steel Corp.), 28 September, 1988 (28.09.88), (Family: none)	<u>1-9</u>
A	WO 1989/003302 A1 (MB GROUP PLC.), 20 April, 1989 (20.04.89), & AU 8826043 A & BR 8807248 A & CA 1296607 C & CN 1033256 A & CS 8806804 A2 & DD 283107 A & DE 3871707 G & DK 8902927 A & EP 312302 A1 & ES 2032975 T3 & FI 8902901 A & GB 2211134 A & HU 50700 T & JP 2-501644 A & KR 9600729 B1 & NO 8902421 A & PT 88732 A & RU 2040404 C1 & US 4957820 A & ZA 8807619 A	<u>1-9</u>
A	EP 1086808 A2 (NKK CORP.), 28 March, 2001 (28.03.01), & JP 2001-88241 A & JP 2001-328204 A & JP 2002-120324 A	<u>1-9</u>